

What is Claimed is:

1. A tissue engineering scaffold comprising collagen or a collagen-like peptide incorporated within or between polymeric fibers.

5 2. The tissue engineering scaffold of claim 1 wherein the collagen is collagen II.

3. The tissue engineering scaffold of claim 1 wherein the collagen-like peptide comprises amino acids 703 to 936 of collagen II.

10 4. The tissue engineering scaffold of claim 1 wherein the collagen-like peptide is SEQ ID NO:1.

5. A method for producing a tissue engineering scaffold which promotes attachment, growth and spreading of cells comprising:

15 (a) mixing collagen or a collagen-like peptide with a polymer in solution;

(b) electrospinning collagen or collagen-like peptide containing polymeric fibers from the solution; and

20 (c) forming a tissue engineering scaffold from the polymeric fibers.

6. The method of claim 5 wherein the collagen is collagen II.

7. The method of claim 5 wherein the collagen-like peptide comprises amino acids 703 to 936 of collagen II.

25 8. The method of claim 5 wherein the collagen-like peptide is SEQ ID NO:1.